

Notice of Allowability

Application No.

10/813,880

Examiner

Christopher R. Magee

Applicant(s)

HIXSON-GOLDSMITH ET AL.

Art Unit

2627

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to the amendment after final 4/13/2007.
2. ☒ The allowed claim(s) is/are 1,3-16 and 18-30 (renumbered as 1-28, respectively).
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit
of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☐ Interview Summary (PTO-413),
Paper No./Mail Date _____
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____


**ANGEL CASTRO
PRIMARY EXAMINER**

DETAILED ACTION

Response to Amendment

1. The reply filed 04/13/2007 was applied to the following effect: All relevant objections and rejections are withdrawn as being satisfied.
2. Applicant's request for reconsideration of the finality of the rejection of the last Office action is persuasive and, therefore, the finality of that action is withdrawn.

Reasons for Allowance

3. Claims 1, 3-16 and 18-30 are allowed (renumbered as 1-28, respectively).

The following is an examiner's statement of reasons for allowance:

This application is for an INDUCTIVE MAGNETIC HEAD WITH NON-MAGNETIC SEED LAYER GAP STRUCTURE AND METHOD OF THE FABRICATION THEREOF.

- **Claims 1 and 16**, specify a magnetic head, which requires:

"wherein said adhesion layer is disposed upon said first magnetic pole, and said second magnetic pole is disposed directly upon said electrically conductive, non-magnetic sublayer."

The prior art of record fails to fairly, teach, show or suggest, by either anticipating or rendering obvious, the invention as set forth in claims 1 and 16 of the instant application. Furthermore, the search made does not detect the combined claimed elements as set forth in pending claims 1 and 16. None of the cited prior art of record disclose such a magnetic head, as

set forth in the manner, function and relationship relative to other claimed structures as prescribed by claims 1 and 16.

Therefore, these features, in combination with other features of claims 1 and 16, are not anticipated by, nor made obvious over, the closest prior art of record of Chen.

- **Claim 26** specifies a method for fabricating magnetic head, which requires:

“electroplating a second magnetic pole upon said electrically conductive, non-magnetic sublayer, including the step of passing electrical current through said electrically conductive, non-magnetic sublayer to plate up said second magnetic pole.”

The prior art of record fails to teach, show or suggest, by either anticipating or rendering obvious, the invention as set forth in the claims of the instant application. Furthermore, a search made does not detect the combined claimed elements as set forth in the pending claims. Additionally, the reasons for allowance of the claims over the prior art of record is believed to be readily clear, self evident and apparent from the claim language set forth in claim 26, when compared and contrasted with the prior art.

More particularly, the instant invention (as set forth in claim 26) provides for a method for fabricating a magnetic head which requires electroplating a second magnetic pole upon said electrically conductive, non-magnetic sublayer, including the step of passing electrical current through said electrically conductive, non-magnetic sublayer to plate up said second magnetic pole. Chen '569 fails to teach the utilization of such a write gap sublayer in fabricating the second magnetic pole directly thereon. Rather, Chen '569 teaches the use of a separated seed layer that is fabricated upon the write gap layer, where the second magnetic pole is electroplated upon the seed layer [Applicant's Remarks, page 9]. Further, none of the cited prior art of record

disclose such a method, as set forth in the manner, function and relationship relative to other claimed structures as prescribed by the independent claim 26.

Therefore, these features, in combination with other features of claim 26, are not anticipated by, nor made obvious over, the closest prior art of record of Chen '569.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Christopher R. Magee whose telephone number is (571) 272-7592. The examiner can normally be reached on M-F, 8: 00 am-4: 30 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Andrea Wellington can be reached on (571) 272-4483. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.



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Art Unit 2627



ANGEL CASTRO
PRIMARY EXAMINER

April 26, 2007
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